

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office <u>INFORMATION DISCLOSURE CITATION</u> (Use several sheets if necessary)	Atty. Docket No. <u>59</u>	Applicant <u>John Chen</u> Issue Date <u> </u> Group <u> </u>
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U. S. PATENT DOCUMENTS

*Examiner Initial		Document Number							Date	Name	Class	Sub-class	Filing Date If Appropriate
	AA	2	9	9	3	8	7	4	07/25/61	Hoel	260	27	
	AB	3	1	4	9	1	8	2	09/15/64	Porter	260	879	
	AC	3	2	3	9	4	7	6	03/08/66	Harlan	260	27	
	AD	3	2	3	9	4	7	8	03/08/66	Harlan	260	27	
	AE	3	2	6	5	7	6	5	08/09/66	Holden	260	876	
	AF	3	3	2	5	4	3	0	06/13/67	Grasley	260	25	
	AG	3	3	3	3	0	2	4	07/25/67	Haefele	260	880	
	AH	3	4	6	4	8	5	0	09/02/69	Haefele	117	135.5	
	AI	3	4	8	5	7	8	7	12/23/69	Haefele	260	33.6	
	AJ	R	E	2	7	1	4	5	06/22/71	Jones	260	880	
	AK	3	5	9	5	9	4	2	07/27/71	Wald	260	880	

FOREIGN PATENT DOCUMENTS

*Examiner Initial		Document Number							Date	Name	Class	Sub-class	Translation	
		Yes	No											
	AL	EU	4	8	3	3	7	0	4/26/91	HISAMITSU PHARMACEUTICAL CO., INC.				
	AM	EU	4	3	9	1	8	0	1/25/91	LTS LOHMANN THERAPIE-SYSTEME GMBH & CO. KG				
	AN	EU	2	8	5	1	8	1	4/01/88	TEIKOKU SEIYAKU KABUSHIKI KAISHA				
	AO	EU	1	4	6	1	6	3	11/20/84	SHELL INTERNATIONAL RESEARCH				
	AP	WD	90	0	5	1	6	6	9/11/89	RAYCHEM LIMITED				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

	AR		ALLEN, ^{ET AL} COMPREHENSIVE POLYMER SCIENCE-VOLUME 7; 1994; P. 416-431
	AS		KIRK-OTTMER; ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY; 1994; 4 TH EDITION; P. 17-37
	AT		GARDNER, WILLIAM; GARDNER'S CHEMICAL SYNONYMS AND TRADE NAMES; 1994;

Examiner	Date Considered
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	AL	3	6	1	4	8	3	6	10/26/71	Snyder	36	2.5	
	AM	3	7	9	2	0	0	5	02/12/74	Harlan	260	22	
	AN	3	8	1	0	9	5	7	05/14/74	Lunk	260	876	
	AO	3	6	7	6	3	8	7	07/11/72	Lindlof	260	28.5	
	AP	3	7	5	6	9	7	7	09/04/73	Yoshimoto	260	33.6	
	AQ	3	8	2	7	9	9	9	08/06/74	Crossland	260	33.6	
	AR	3	8	3	0	7	6	7	08/20/74	Condon	260	28.5	
	AS	3	8	9	8	2	0	8	08/05/75	Krause	260	85.1	
	AT	3	9	2	9	7	1	5	12/30/75	Nowell	260	34.2	
	AU	3	9	3	3	7	2	3	01/20/76	Grenness	260	33.6	
	AV	3	9	6	5	0	1	9	06/22/76	St. Clair	252	59	

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*Examiner Initial		Document Number							Date	Name	Class	Sub-class	Translation	
		Yes	No											
	AL	WD	88	0	0	6	0	3	7/17/87	RAYCHEM LIMITED				
	AM	GB	20	1	9	4	1	6	4/18/79	MINNESOTA MINING and MANUFACTURING COMPANY				
	AN													
	AO													
	AP													

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

	AR		HOLDEN ET AL; THERMOPLASTIC ELASTOMERS; 2 nd Edition; 1996;
			CHAPTER 1-p.1-26; CHAPTER 3-p. 27-70; CHAPTER 4-p. 71-100
	AS		
	AT		

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	AW	4	0	0	6	1	1	6	02/01/77	Dominguez	260	33.6	
	AX	4	0	3	2	4	5	9	06/28/77	Crossland	252	51.5	
	AY	4	0	3	6	9	1	0					
	AZ	4	0	3	9	6	2	9	08/02/77	Himes	260	880	
	BA	4	0	4	1	1	0	3	08/09/77	Davison	260	857	
	BB	4	0	8	0	3	4	8	03/21/78	Korpman	260	27	
	BC	4	1	3	6	0	7	1	01/23/79	Korpman	260	27	
	BD	4	3	1	3	8	6	7	02/02/82	Duvdevani	260	33.6	
	BE	4	4	8	1	3	2	3	11/06/84	Sterling	524	269	
	BF	4	5	1	1	3	5	4	04/16/85	Sterling	604	98	
	BG	5	1	1	2	9	0	0	05/12/92	Buddenhagen	524	484	

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*Examiner Initial		Document Number								Date	Name	Class	Sub-class	Filing Date If Appropriate
	BH	5	4	4	2	0	0	4		08/15/95	Sutherland	524	140	
	BI	5	5	4	1	2	5	0		07/30/96	Hudson	524	505	
	BJ	5	5	8	0	5	7	2		12/03/96	Mikler	424	448	

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*Examiner Initial		Document Number								Date	Name	Class	Sub-class	Translation	
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	AM														
	AN														
	AO														
	AP														

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Docket NO.: 59

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APPLICANT: JOHN Y, CHEN

FILING DATE: _____

GROUP: _____

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US PATENT DOCUMENTS

EX ✓	PATENT NO.	ISSUE DATE	PATENTEE	CLASS/SUBCLASS	FILING DATE
CA	3660849	5/9/72	JONNES	2 2.1	7/13/70
CB	3821149	6/28/74	MAKOWSKI	260 30.6	9/28/73
CD	3827999	8/6/74	CROSSLAND	260 33.6	8/6/74
CE	3860013	1/14/75	CZAPOR	132 91	7/17/72
CF	4136699	6/30/79	COLLINS	128 290	1/21/77
CG	4151057	4/24/79	ST. CLAIR		8/14/78
CH	4176240	11/27/79	SABIA	174 23	5/30/78
CI	4259540	3/31/81	SABIA		4/20/79
CJ	4351913	9/28/82	PATEL		1/4/82
CK	4361508	11/30/82	BOURLAND	523 173	10/20/80
CL	4369284	1/18/83	CHEN		3/28/80
CM	4432607	2/21/84	LEVY	350 96.34	10/27/81
CN	4492428	1/8/85	LEVY		8/16/82
CO	4497538	2/5/85	PATEL		8/10/83
CP	4509821	4/9/85	STENGER	350 96.23	9/1/83
CQ	4600261	7/15/86	DEBBAUT		10/12/82
CR	4610738	9/9/86	JERVIS	156 49	1/4/85
CS	4618213	10/21/86	CHEN		1/18/84
TC	4643924	2/17/87	UKEN	428 35	5/2/85
CU	4662692	5/5/87	UKEN	339 96	5/2/85
CV	4678664	7/7/87	SCHMOLKA	424 65	9/30/82
CW	4680233	7/14/87	CAMIN	428 424.6	5/2/85
CX	4690831	9/1/87	UKEN	427 44	6/18/86
CY	4692369	9/8/87	NOMI	428 198	12/9/85
CZ	4709982	12/1/87	CORNE	427 44	11/13/85
DA	4716183	12/29/87	GAMARRA	522 90	11/22/85
DB	4721832	1/26/88	TOY	174 87	5/2/86
DC	4764535	8/16/88	LEICHT		8/6/84
DD	4798853	1/17/89	HANDLIN	523 173	1/20/87
DE	4801346	1/31/89	HUDDLESTON		7/30/86
DF	4822834	4/18/89	BLEVINS	524 427	4/19/88
DG	4833193	5/23/89	SIEVERDING		8/14/87
DH	4842931	6/27/89	ZOOK	428 354	7/19/88
DI	4864725	9/12/89	DEBBAUT	29 871	4/18/88
DJ	4865905	9/12/89	UKEN	428 220	12/9/88
DK	4880676	11/14/89	PULGCERVER	428 35.7	11/14/89
DL	4880878	11/14/89	HIMES	525 89	12/29/87
DM	4883431	11/28/89	UKEN		9/26/86
DN	4888070	12/19/89	CLARK		12/1/87
• DO	4889171	12/26/89	COVINGTON	428 304	4/21/88
DP	4889403	12/26/89	ZUCKER		12/23/87
DR	4900877	2/13/90	DUBROW	174 35	7/12/88
D	4909756	3/20/90	JERVIS		8/31/88
DT	4929211	5/29/90	RESNICK	446 14	12/2/88
DU	4942270	7/17/90	GAMARRA	174 93	7/12/88
DV	4944363	7/31/90	OSHER	273 58	2/6/90
DW	4944973	7/31/90	FOLLETTE		9/13/89

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EX ✓	PATENT NO.	ISSUE DATE	PATENTEE	CLASS/SUBCLASS	FILING DATE
DX	4968747	11/6/90	MALLIKARJUN	525 74	3/30/90
DY	4983008	1/8/91	CAMPBELL	350 96.16	11/1/88
DZ	5026054	6/25/91	OSHER	273 58	7/18/90
EA	5059748	10/22/91	ALLEN	174 87	4/26/90
EB	5068138	11/26/91	MITCHELL	428 36.8	7/23/90
EC	5085597	2/4/92	STORY	439 521	3/28/91
ED	5088734	2/18/92	GLAVA	273 73	1/9/91
EE	5098421	3/24/92	ZOOK	604 367	10/16/89
EF	5126182	6/30/92	DOUGLAS	428 90	1/22/90
EG	5149736	9/22/92	GAMARRA	524 490	5/7/90
EH	5153254	10/6/92	CHEN	524 505	6/24/88
EI	5159022	10/27/92	IKEMATU	525 250	5/21/91
EJ	5167649	12/1/92	ZOOK	604 307	4/17/92
EK	5173573	12/22/92	JERVIS	174 138	3/15/91
EL	5177143	2/27/90	TOY	524 848	2/27/90
EM	5181914	1/26/93	ZOOK	604 307	5/6/92
EN	5191752	3/9/93	MURPHY	54 44.5	5/4/92
EO	5221534	6/22/93	DESLAURIERS	424 78.03	2/4/91
EP	5239723	8/31/93	CHEN	15 104	8/24/92
EQ	5262468	11/16/93	CHEN	524 476	5/23/91
ER	5324222	6/28/94	CHEN	446 34	4/29/92
ES	5330452	7/19/94	ZOOK	604 307	6/1/93
ET	5313019	5/17/94	BRUSSELMANS	174 93	12/2/92
EU	5334646	8/2/94	CHEN	524 474	10/6/92
EV	5336708	8/9/94	CHEN	524 474	8/24/92
EW	5459193	10/17/95	ANDERSON	524 505	2/23/95
EX	5475890	12/19/95	CHEN	15 104	8/30/93
EY	5479952	1/2/96	ZACHARIADES	132 321	2/23/95
EZ	5559165	8/8/95	PAUL	523 111	8/8/95
FA	5606149	2/25/97	YAWORSKI	174 92	10/13/94
FB	5618882	4/8/97	HAMMOND	525 92	11/14/94
FC	5624294	4/29/97	CHEN	446 253	11/15/93
FD	5626657	5/6/97	PEARCE	106 122	8/22/96
FE	5633286	5/27/97	CHEN	524 474	8/11/94
FF	5655947	8/12/97	CHEN	446 46	5/23/91

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FH	PCT/WO 91/05014	18/4/91	RAYCHEM	5/10/89
FI	PCT/WO 93/05113	18/3/93	RAYCHEM	6/9/91
FJ	PCT/WO 88/00603	28/1/88	RAYCHEM	17/7/87
FK	PCT/WO 93/23472	25/11/93	RAYCHEM	10/5/93
FL	PCT/WO 90/05166	17/5/90	RAYCHEM	9/11/89

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APPLICANT: JOHN Y, CHEN
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PUBLICATION

FM "STYRENE-DIENE TRIBLOCK COPOLYMERS: ORIENTATION CONDITIONS AND MECHANICAL PROPERTIES OF THE ORIENTED MATERIALS" A. WEILL AND R. PIXA, JOURNAL OF POLYMER SCIENCE POLYMER SYMPOSIUM 58, 381-394 (1977).

FN TUFTEC TRADE LITERATURE, ASANI CHEMICAL CO., LTD., SYNTHETIC RUBBER DIVISION, ENGLISH AND JAPANESE 14 PAGES.

FO SEPTON TRADE LITERATURE, KURARAY CO., LTD. 1995.8 (4,000) 15 PAGES.

FP SHELL CHEMICAL CO., DATA SHEETS: EKP-207 (093094-02) AND L-1203 (SC:2384-950

FQ SC:1102-89 SHELL CHEMICAL TECHNICAL BULLETIN "KRATON® THERMOPLASTIC RUBBER IN OIL GELS", APRIL 1989

FR "TUFTEC" -- its characteristics and applications, Assahi Chemical.

FS SEPTON, High Performance Thermoplastic Rubber, Kuraray Co., LTD., 1995.

FT KRATON POLYMERS, May 1997, Shell Chemical Company.

FU Silipos product catalogue.

FV Silipos products catalogue sheets: Silosheath, Pressure Ulcers, Friction Sleeves with Gel, Gel-E-Rol & Friction Tape, Mesh Tubing, Silopad.

FW Silipos manual, 1994.

QD *Melt Miscibility In Blends Of Polypropylene, Polystyrene-Block-Poly(Ethylene-Sat-Butylene)-Block-Polystyrene, And Processing Oil From Melting Point Depression*, Ohlsson et al., Polymer Engineering and Science, 1996, Vol. 36, No. 11.

FX *Blends And Thermoplastic Interpenetrating Polymer Networks Of Polypropylene And Polystyrene-Block-Poly(Ethylene-Stat-Butylene)-Block-Poly(styrene Triblock Copolymer. 1: Morphology And Structure-Related Properties*, Ohlsson, et al., Polymer Engineering and Science, 2/1996, Vol. 36, No.4.

FY *Migration And Blooming Of Waxes To The Surface Of Rubber Vulcanizates*, Nah, et al., J. Of Polymer Science: Polymer Physics Ed., Vol. 18, 511-521 (1980).

EXAMINER	DATE CONSIDERED
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EXAMINER: INITIAL CITATION CONSIDERED. DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.
